

# INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/EP 03/05074

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G02B6/42

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06, 4 June 2002 (2002-06-04) -& JP 2002 055262 A (SAMSUNG ELECTRONICS CO LTD), 20 February 2002 (2002-02-20) abstract; figures 5,6,9,11 paragraph '0009!	1,2, 6-26, 30-33, 41,42
A	----- -----	3-5, 27-29, 34-40

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search	Date of mailing of the international search report
8 March 2004	17/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5018 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax (+31-70) 340-3016	Authorized officer  Riblet, P

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Item I Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 1 026 529 A (SAMSUNG ELECTRONICS CO LTD) 9 August 2000 (2000-08-09)  abstract; figure 4 paragraph '0017!	1,2,6, 10-26, 30-33, 41,42
A	---	3-5, 27-29, 34-40
X	US 5 222 170 A (BARGAR DANIEL S ET AL) 22 June 1993 (1993-06-22) figure 10a column 9, line 58 -column 10, line 32	24-31, 41,42
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A	US 2002/001324 A1 (IRIE YUICHIRO ET AL) 3 January 2002 (2002-01-03) paragraphs '0023!-'0025!; figures 10,11	1,24,32, 39
A	DE 34 05 838 A (SIEMENS AG) 22 August 1985 (1985-08-22) the whole document	1-42
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